OIPE
DEC 29 2003
PATENT & TRADEMARK OFFICE

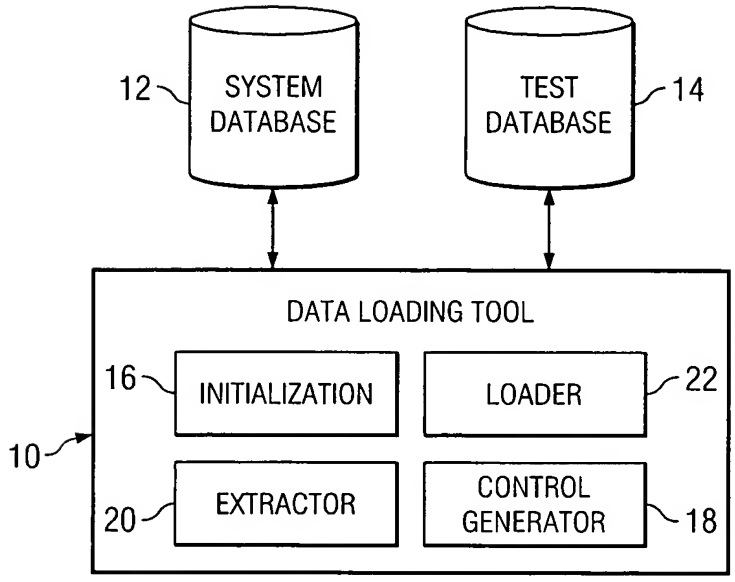

FIG. 1

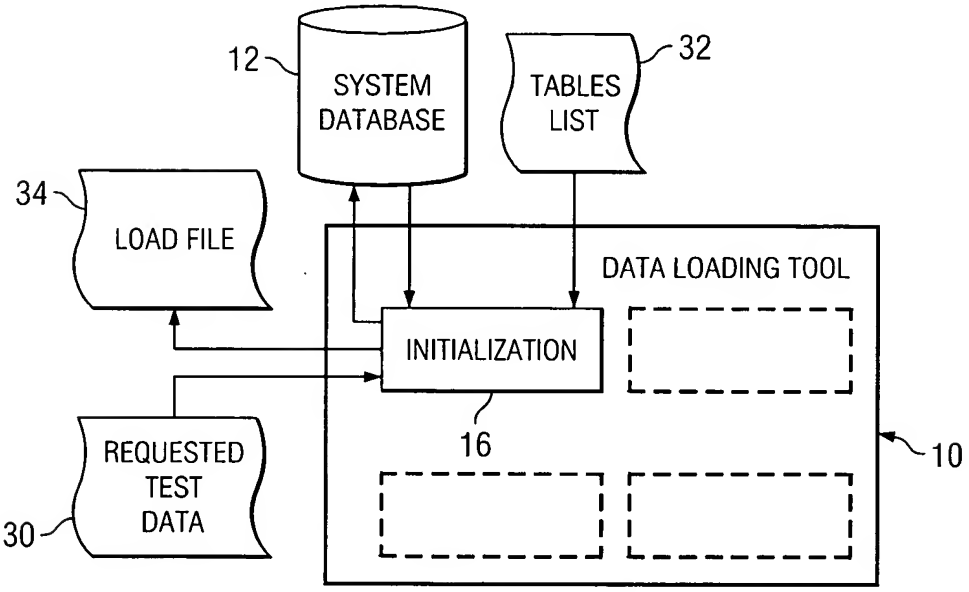

FIG. 2

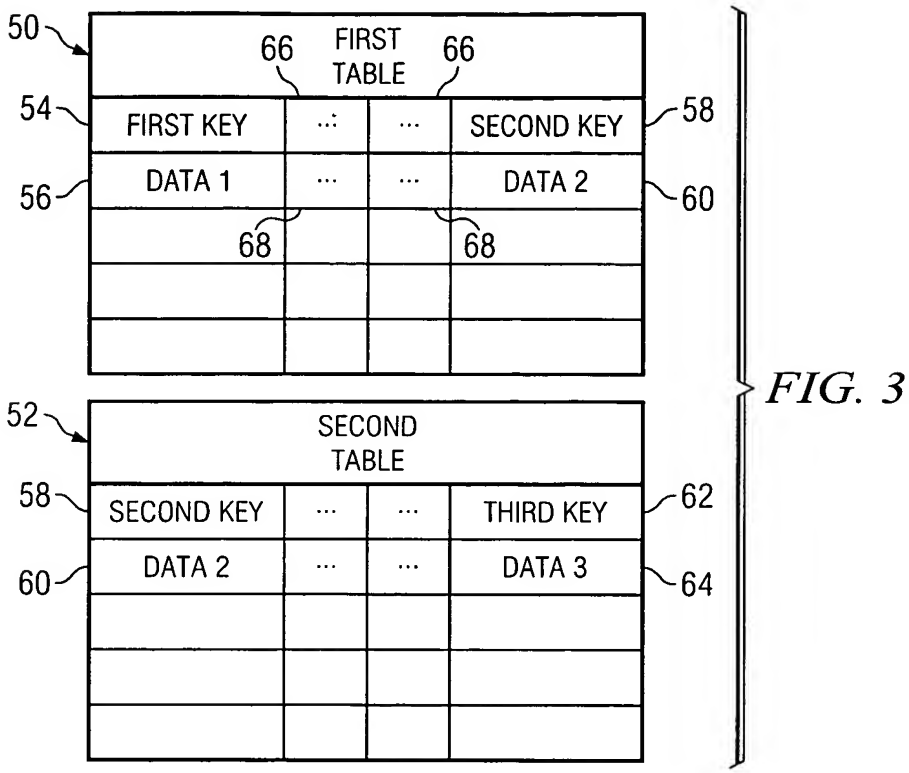
50
66
FIRST TABLE
66
54
FIRST KEY
...
...
SECOND KEY
58
56
DATA 1
...
...
DATA 2
60
68
68
52
SECOND TABLE
58
SECOND KEY
...
...
THIRD KEY
62
60
DATA 2
...
...
DATA 3
64

FIG. 3

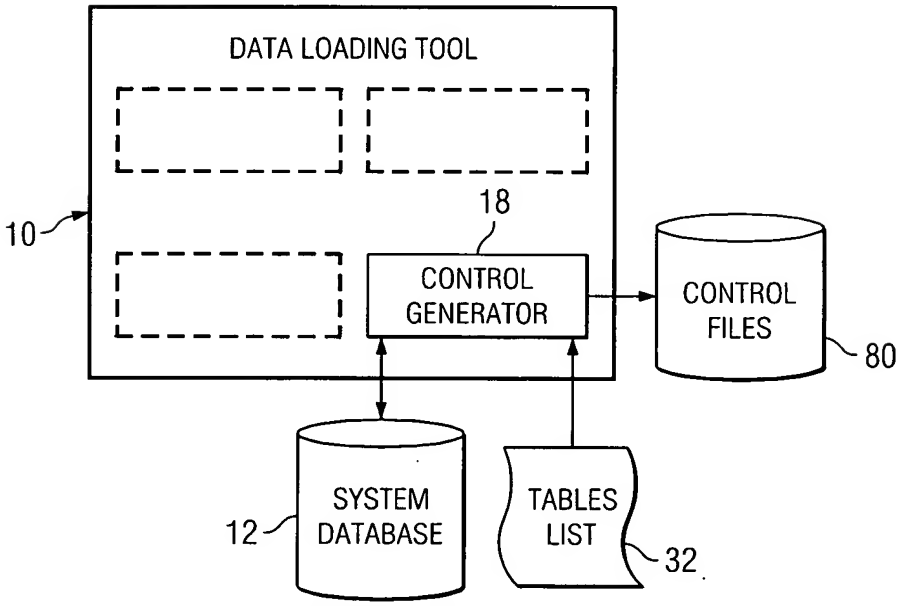
DATA LOADING TOOL
10
18
CONTROL GENERATOR
CONTROL FILES
80
12
SYSTEM DATABASE
TABLES LIST
32

FIG. 4

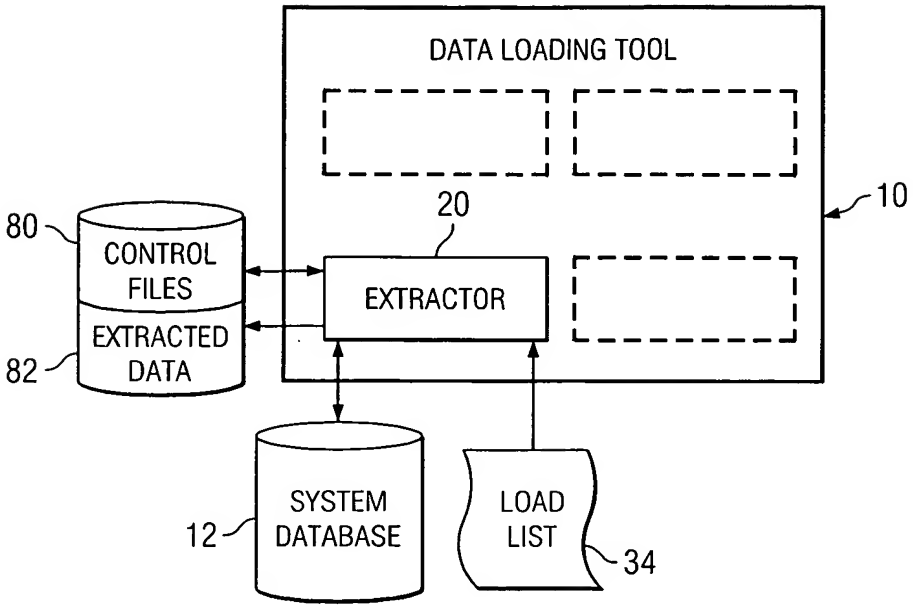
DATA LOADING TOOL
10
20
80
CONTROL FILES
EXTRACTOR
EXTRACTED DATA
82
SYSTEM DATABASE
12
LOAD LIST
34

FIG. 5

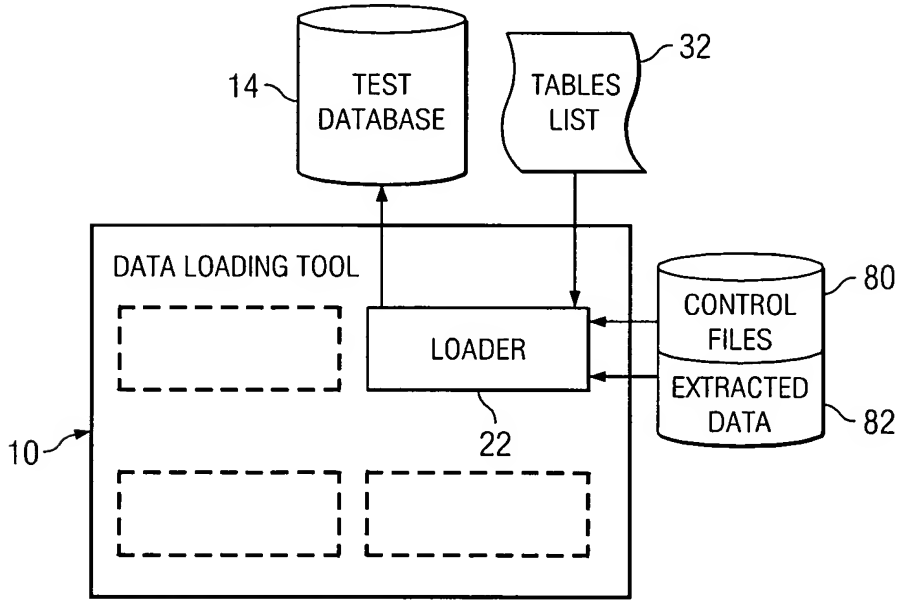
14
TEST DATABASE
TABLES LIST
32
DATA LOADING TOOL
LOADER
22
10
CONTROL FILES
80
EXTRACTED DATA
82

FIG. 6

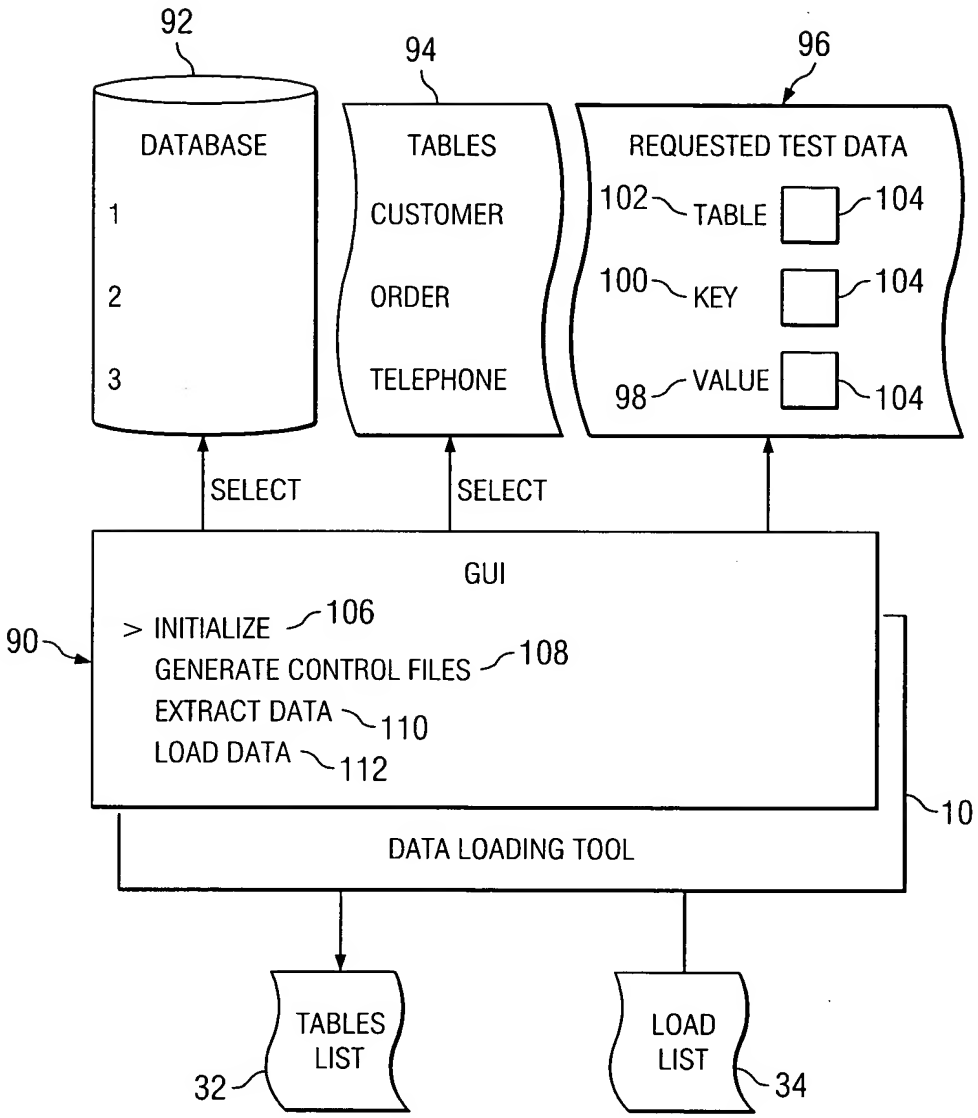
92
94
96
DATABASE
1
2
3
TABLES
CUSTOMER
ORDER
TELEPHONE
REQUESTED TEST DATA
102
TABLE
104
100
KEY
104
98
VALUE
104
SELECT
SELECT
GUI
90
> INITIALIZE
106
GENERATE CONTROL FILES
108
EXTRACT DATA
110
LOAD DATA
112
10
DATA LOADING TOOL
TABLES LIST
32
LOAD LIST
34

FIG. 7